GENERAL SPECIFICATION OF : PSA-40271

ISSUED:11-17-1992

			ENG.	CHECK	SAFETY	APP.
LTR	NUMBER		DATE	DATE	DATE	DATE
A		CHECK & ISSUE				
B	2.8	DEL (Specification of cross regulation: I(5V)/I(12V)<5				
	4.3	Was Leakage current:240VAC, 60Hz / 0.75mA max.				
C	1.4	Was 15A for 120VAC, 20A for 240VAC				
	2.1-1	Was O/P Output 10%				
	2.2	O/P Output +-1%				
	2.3	Min. Output2 0A				
	2.9	50MHz				
		DEL *1				
		Was *2 +4/-7%				
	3.2	120VAC				
	3.3	120VAC				
	4.2	5.6V to 6.5V				
	10	MTBF: 70KHrs.				

MODEL:PSA-40271
DWG NO:PES10039

ISSUED:11-17-92
REV C :03-25-93

1. Input

1.1	AC Input voltage rating:	100VAC to 240VAC
1.2	AC Input voltage range:	90VAC to 260VAC
1.3	AC Input frequency:	47 Hz to 63 Hz
1.4	Max. In-rush current: cold start	20A for 115VAC 40A for 230VAC
1.5	Input current:	2 A MAX.

2. Output

		Output	Output2	
2.1	O/P voltage:	+5 VDC	+12 VDC	
2.1-1	O/P voltage adjustment range:	+-5 %	---------	FULL LOAD
2.2	O/P setting voltage:	5.1 (5.08~5.13)	---------	FULL LOAD
2.3	Min. load current:	0.2 A	0.03A	
2.4	Max. load current:	3 A	2 A	
2.5	Peak load current:*1		4.5 A	
2.6	Line regulation:	+- 3 %	+- 4 %	
2.7	Load regulation:	+- 4 % (4.8~5.2)	+- 4 %	
2.8	Cross regulation:	+- 5 %	+- 5 %	

2.9 Ripple : 50mV 100mV

(20MHz bandwith, peak to peak. ripple & noise is measured by using a 12" twisted wire terminated with a 10uf capacitor in parallel 0.1 uf ceramic capacitor, connect the primary and secondary ground holes together by jumper wire or by mounting screws to metal case under evaluation.)

*1. Total peak wattage must not exceed 60 watts. +12V output peak is 4.5 amps for a maximum on 30 seconds. During peak loading, the 12V output may go outside of regulation limits to -10%.

3. Overall performance

3.1 Total output power:	40W @ 5CFM
3.2 Efficiency:	70% min at max. load and 115VAC input.
3.3 Hold up time:	16ms at max. load and 115VAC input.
3.4 switching frequency:	50KHz typical

4. Features

4.1 Over current protection:	All outputs equipped with short circuit protection - auto restart.
4.2 Over voltage protection:	Only +5VDC at 5.8V to 6.6V
4.3 Leakage current:	240VAC, 50Hz / 0.75mA max.

5. Enrironmental

5.1 Altitude:	operation	10,000 feet max.
	non-operating	40,000 feet max.
5.2 Temperature:	operation	0°C to +50°C
	non-operating	-25°C to +85°C
5.3 Relative Humidity:	non-operating	5% tO 95%

5.4 Vibration: Three orthagonal axes, sweep at 1 octeve/min. 5min dwell at four major resonanes --------- 0.75 G peak 5Hz to 500Hz.

6. Safety Standard:

Designed to meet the stanfard of:

UL 1950, CSA 22.2 1402C EN 60950 (IEC-950)
VDE 0805

7. EMI Standard:

Meets the conduction limits of:
(a) FCC class B
(b) VFG 243 class B
(c) VDE 0871 B

8. Dielectric Withstand (HIPOT) test:

8.1 Input to output: 2200VDC for 1min 10mA

9. Insulation resistance

9.1 Input to output: 7 Mohm min

10. MTBF: >150 KHrs. calculated from (MIL-HNDBK-217)